

In The Claims

Please cancel claims 14, 36 and 44-48 without prejudice or disclaimer to the subject matter contained therein.

Please replace the claims as follows:

12. (Amended) A skeleton type brushless motor comprising:

a rotor having a rotational shaft in a center thereof;

a first stator core including a first semicircular inner profile defined between first and second ends of said first stator core;

a second stator core including a second semicircular inner profile defined between first and second ends of said second stator core, wherein said second stator core is connected to said first stator core such that said second semicircular inner profile faces to said first semicircular inner profile and a first gap exist between said first end of said first stator core and said first end of said second stator core, and a second gap exists between said second end of said first stator core and said second end of said second stator core;

a coil winding unit connected to at least one of said first and second stator cores; and

a coil wound on said coil winding unit,

wherein outer profiles of said first stator core and the second stator core near the first separate space or the second separate space, protrude outwardly

away from said rotational shaft as said outer profiles progress toward the end of the first stator core or the second stator core.

13. (Amended) The motor of claim 12, wherein outer profiles of said first stator core and the second stator core near both the first separate space and the second separate space, protrude outwardly away from said rotational shaft as said outer profiles progress toward each end of the first stator core and the second stator core.

26. (Amended) The motor of claim 12, further comprising:

a first shaft support part supporting one end of said rotational shaft;

a first nonconductive separation member located between said first shaft support part and said first and second stator cores for receiving a part of the rotor protruded from the stator cores;

a second shaft support part supporting another end of said rotational shaft; and

a second nonconductive separation member located between said second shaft support part and said first and second stator cores for receiving a part of the rotor protruded from the stator cores.

29. (Amended) A skeleton type brushless motor comprising:

a rotor having a rotational shaft in a center thereof;

a first stator core having a first rotor receiving part formed therein for receiving the rotor;

a second stator core having a second rotor receiving part formed therein for receiving the rotor;

first and second separate spaces formed between the first and second stator cores, respectively;

a coil winding unit connected to the first and second stator cores; and

a coil wound on the coil winding unit;

wherein one end of the first rotor receiving part near the first separate space and an opposite end of the second rotor receiving part near the second separate space are positioned on a vertical center line of the first and second stator cores and rotational shaft.

30. (Amended) The motor of claim 29, further comprising:

a pair of nonconductive separation members each separation member respectively being inserted between the stator cores and one of the shaft support parts and receiving a part of the rotor protruded from the stator cores.

31. (Amended) The motor of claim 30, wherein a cover is formed on one of the separation members for covering the first and second separate spaces.

37. (Amended) A skeleton type brushless motor comprising:

a rotor having a rotational shaft in a center thereof;

a first stator core having a first rotor receiving part formed therein for receiving the rotor;

a second stator core having a second rotor receiving part formed therein for receiving the rotor;

first and second gaps formed between the first and second stator cores, respectively;

a coil winding unit connected to the first and second stator cores;

a coil wound on the coil winding unit;

a pair of shaft support parts rotatably supporting the rotational shaft on both sides of the stator cores; and

a pair of nonconductive separation members said separation members being inserted between the stator cores and respective ones of the shaft support parts and receiving a part of the rotor protruded from the stator cores.